



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,897	07/15/2003	Yuji Takagi	488-00060	7335
26753	7590	12/02/2004	EXAMINER	
ANDRUS, SCEALES, STARKE & SAWALL, LLP 100 EAST WISCONSIN AVENUE, SUITE 1100 MILWAUKEE, WI 53202			HEWITT, JAMES M	
		ART UNIT		PAPER NUMBER
				3679

DATE MAILED: 12/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/619,897	TAKAGI ET AL. <i>ST</i>	
	<b>Examiner</b>	<b>Art Unit</b>	
	James M Hewitt	3679	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 15 July 2003 and 10 November 2003.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-14 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) \_\_\_\_\_ is/are rejected.  
 7) Claim(s) 1-14 is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/10/03</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Priority***

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Specification***

The abstract of the disclosure is objected to because on line 1, "a" should be inserted before "corrugated" and the phrase "of a" should be replaced with "of the". Correction is required. See MPEP § 608.01(b).

The disclosure is objected to because of the following informalities:

The appropriate section headings, i.e. "Background of the Invention", "Summary of the Invention", etc., should be inserted throughout the specification.

The entire specification should be carefully reviewed and edited for proper grammar, phrasings, and spelling. For example, on page 10 lines 15 and 18, and on page 16 line 9, "forth" should be "fourth".

Appropriate correction is required.

### ***Drawings***

Figure 10 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid

abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The brief description of Figure 10 should be amended to state that the figure is prior art.

If Figure 10 is not prior art, then the above objection is moot and should be ignored.

### ***Claim Objections***

Claims 1-14 are objected to because of the following informalities:

In claim 1 line 1, a comma should be inserted after "structure".

In claim 1 line 1, "a" should be inserted after "with".

In claim 1 line 2, a comma should be inserted after "tube".

In claim 1 line 6, "thereof" should be replaced with "of the hose body".

In claim 1 line 10, "an" should be replaced with "the".

In claim 2 line 1, "a" should be inserted after "with".

In claim 2 line 3, "formed in non-corrugated" should be replaced with "not corrugated".

In claim 2 line 3, "of" should be inserted before "generally".

In claim 3 line 1, "a" should be inserted after "with".

In claim 3 line 8, the phrase "and a tight seal is provided thereby" should be "thereby providing a tight seal".

In claim 4 line 1, "a" should be inserted after "with".

In claim 4 line 2, the semi-colon should be a colon.

In claim 4 line 3, each instance of "an" should be replaced with "the".

In claim 5 line 1, "a" should be inserted after "with".

In claim 5 line 5, "engagement" should be "engaging".

In claim 6 line 1, "a" should be inserted after "with".

In claim 6 line 3, "an" should be "the".

In claim 6 line 4, "radially" should be deleted and "portion" should be "surface".

In claim 6 line 7, "radially" should be deleted and "portion" should be "surface".

In claim 7 line 1, "a" should be inserted after "with".

In claim 7 line 3, "an" should be replaced with "the".

In claim 7 line 4, "an" should be replaced with "the".

In claim 8 line 1, a comma should be inserted after "structure".

In claim 8 line 1, "a" should be inserted after "with".

In claim 8 line 2, a comma should be inserted after "tube".

In claim 8 line 5, "thereof" should be replaced with "of the hose body".

In claim 8 line 11, "an" should be replaced with "the".

In claim 8 line 13, "an" should be replaced with "the".

In claim 8 line 15, "an" should be replaced with "the".

In claim 8 line 19, "side" should be deleted.

In claim 8 line 20, "filling in the gap" should be "the gap being filled".

In claim 8 lines 20-22, the phrase "and bearing from radially outside the extending portion of the corrugated metal tube on which an internal pressure is applied" is awkward and confusing and should be reworded.

In claim 9 line 1, "a" should be inserted after "with".

In claim 9 line 3, "a tip" should be "the tip".

In claim 10 line 3, the phrase "sectionally midway thereof" is awkward and should be reworded.

In claim 11 line 1, "a" should be inserted after "with".

In claim 11 line 3, "an" should be replaced with "the".

In claim 12 line 1, "a" should be inserted after "with".

In claim 12 line 3, the phrase "of the sleeve" should be inserted after "portion".

In claim 12 line 3, the phrase "the rest portion in" should be replaced with the phrase "another portion of".

In claim 13 line 1, "a" should be inserted after "with".

In claim 13 line 3, "an" should be replaced with "the".

In claim 13 line 4, "by" should be replaced with "when".

In claim 14 line 1, "a" should be inserted after "with".

In claim 14 line 3, "an" should be replaced with "the".

In claim 14 line 4, "on" should be "at".

In claim 14 line 6, the comma should be deleted.

Appropriate correction is required.

Applicant is also urged to carefully review the claims for informalities and inconsistencies.

***Allowable Subject Matter***

Claim 1-14 are objected to (see ***Claim Objections*** above), but would be allowable if rewritten to overcome the above-noted objections.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

This application is in condition for allowance except for the above-noted formal matters.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M Hewitt whose telephone number is 703-305-0552. The examiner can normally be reached on M-F, 930am-600pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Stodola can be reached on 703-308-2686. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JAMES M. HEWITT  
PRIMARY EXAMINER